

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	10/584452	US-PGPUB	OR	OFF	2007/07/05 13:37
S1	60	(271/13).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/07/03 15:19
S2	178	(271/10.03).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/07/03 09:59
S3	397	(271/251).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/07/03 10:05
S4	815	(271/94,98).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/07/03 10:39
S5	797	(271/104,124,138).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/07/03 10:39
S6	12	271/13.ccls. and (detector\$2 or sensor\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:01
S7	22	"271"/\$.ccls. and (detector\$2 or sensor\$2) and ((vacuum\$3 or suction\$3) near3 belt\$2) and (retract\$4 or lower\$3) with (separator\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:05
S8	8	"271"/\$.ccls. and (detector\$2 or sensor\$2) and ((vacuum\$3 or suction\$3) near3 belt\$2) and (retract\$4 or lower\$3) near3 (separator\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:06
S9	22	"271"/\$.ccls. and (detector\$2 or sensor\$2) and ((vacuum\$3 or suction\$3) near3 belt\$2) and (retract\$4 or lower\$3) with (separator\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:07
S10	262	271/251 and (detector\$2 or sensor\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:07

## EAST Search History

S11	110	271/251.ccls. and (detector\$2 or sensor\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:08
S12	79	271/251.ccls. and (detector\$2 or sensor\$2) and (retract\$4 or lower\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:08
S13	29	271/251.ccls. and (detector\$2 or sensor\$2) and (vacuum or suction)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 11:08
S14	2	("4030723" "6082727").PN.	US-PGPUB; USPAT	OR	OFF	2007/07/03 12:23
S15	22	("3025052"   "3126201"   "3730514"   "3981493"   "3988014").PN. OR ("4030723").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/03 12:24
S16	25	(US-20060012107-\$ or US-20070045933-\$ or US-20010017441-\$).did. or (US-4311304-\$ or US-4227685-\$ or US-3388905-\$ or US-7198264-\$ or US-7007944-\$ or US-5290022-\$ or US-5154407-\$ or US-4648587-\$ or US-4596385-\$ or US-3599967-\$ or US-2849232-\$ or US-5893554-\$ or US-4693460-\$ or US-4030723-\$ or US-5391051-\$ or US-3126201-\$).did. or (US-3126201-\$).did. or (JP-04358637-\$ or JP-57062130-\$ or JP-03272931-\$ or JP-03267234-\$ or JP-60067343-\$).did.	US-PGPUB; USPAT; USOCR; JPO	OR	OFF	2007/07/03 12:28

## EAST Search History

S17	258	("1861605"   "20040056410"   "20050040584"   "20050189696"   "20060071394"   "2085612"   "2170488"   "2205921"   "2249504"   "2722416"   "2764407"   "2841391"   "2895552"   "2941799"   "2970834"   "2979329"   "3025052"   "3100110"   "3108801"   "3126199"   "3126201"   "3198514"   "3218062"   "3226107"   "3232256"   "3232429"   "3235249"   "3260520"   "3294396"   "3322301"   "3347348"   "3403903"   "3424453"   "3511368"   "3588090"   "3589320"   "3598070"   "3603446"   "3604702"   "3625508"   "3635463"   "3669446"   "3730514"   "3826485"   "3847383"   "3897945"   "3912253"   "3938800"   "3981493"   "3988014"   "4030723"   "4111412"   "4157177"   "4268025"   "4270879"   "4345752"   "4357007"   "4382593"   "4410171"   "4418905"   "4426073"   "4433909"   "4451028"   "4519700"   "4541624"   "4610444"   "4648587"   "4699369"   "4701094"   "4739982"   "4768769"   "4824308"   "4893804"   "4950128"   "5071110"   "5090676"   "5096179"   "5135213"   "5154407"   "5234207"   "5244343"   "5290022"   "5344133"   "5391051"   "5429348"   "5431384"   "5478066"   "5542816"   "5553841"   "5634634"   "5645274"   "5803447"   "5836582"   "5884907"   "5893554"   "6010125"   "6082728"   "6120016"   "6135437"   "6155555"   "6176481"   "6402134"   "6481705"   "6485010"   "6488277"   "6543759"   "6669187"   "6688594"   "6773006").PN. OR ("2001/0017441"   "2006/0012107"   "2007/0045933"   "2849232"   "3126201"   "3388905"   "3599967"   "4030723"   "4227685"   "4311304"   "4596385"   "4648587"   "4693460"   "5154407"   "5290022"   "5391051"   "5893554"   "7007944"   "7198264").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/07/03 12:29
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## EAST Search History

S18	38	b65h001/26.ipc. and (vacuum or suction)	JPO	OR	OFF	2007/07/03 13:51
S19	95	b65h003/56.ipc. and (vacuum or suction)	JPO	OR	OFF	2007/07/03 14:01
S20	300	b65h003/12.ipc. and (vacuum or suction)	JPO	OR	OFF	2007/07/03 14:09
S21	515	b65h003/12.ipc.	JPO	OR	OFF	2007/07/03 14:09
S22	397	(271/251).CCLS.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2007/07/03 15:33
S23	323	"271"/\$.ccls. and (retract\$4 or withdraw\$3 or lower\$3) near3 wall and (vacuum or suction or (negative near2 pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 15:35
S24	176	"271"/\$.ccls. and (retract\$4 or withdraw\$3 or lower\$3) near3 wall and (vacuum or suction or (negative near2 pressure)) and (detect\$4 or sens\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 15:36
S25	39	"271"/\$.ccls. and (detect\$4 or sens\$4) same (retract\$4 or withdraw\$3 or lower\$3) near3 wall and (vacuum or suction or (negative near2 pressure))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 15:43
S26	223	(detect\$4 or sens\$4) same (retract\$4 or withdraw\$3 or lower\$3) near3 wall same separat\$4 and (vacuum or suction or (negative near2 pressure)) and (paper\$2 or sheet\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 15:48
S27	21	(detect\$4 or sens\$4) near3 (sheet\$2 or paper\$2) with ((retract\$3 or lower\$3 or rais\$4) near3 wall)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/07/03 15:50
S28	424850	b65h003/12.ipc. and detect\$4 or sens\$4	JPO	OR	OFF	2007/07/03 16:32
S29	105	b65h003/12.ipc. and (detect\$4 or sens\$4)	JPO	OR	OFF	2007/07/03 16:50
S30	524	b65h001/14.ipc. and (detect\$4 or sens\$4)	JPO	OR	OFF	2007/07/03 16:55
S31	61	b65h003/54.ipc. and (detect\$4 or sens\$4)	JPO	OR	OFF	2007/07/03 16:58

## EAST Search History

S32	95	b65h003/56.ipc. and (detect\$4 or sens\$4)	JPO	OR	OFF	2007/07/03 17:04
S33	118	b65h003/48.ipc. and (detect\$4 or sens\$4)	JPO	OR	OFF	2007/07/05 13:37